Ordering number : EN 954E

Monolithic Linear IC

SANYO No.954E

LA7920

TV Tuner Band Selector

The LA7920 is a tuner band selector IC intended for use in electronic tuning type TV sets. It outputs supply voltages to the tuner unit according to 2-input band select signals.

Features

- . 2 inputs, 4 outputs.
- . Decoders of 2 types available by changing-over C pin.
- . Single-supply operation (Output transistor : pnp type).
- . Low output saturation voltage.

Maximum Ratings at Ta=25°C

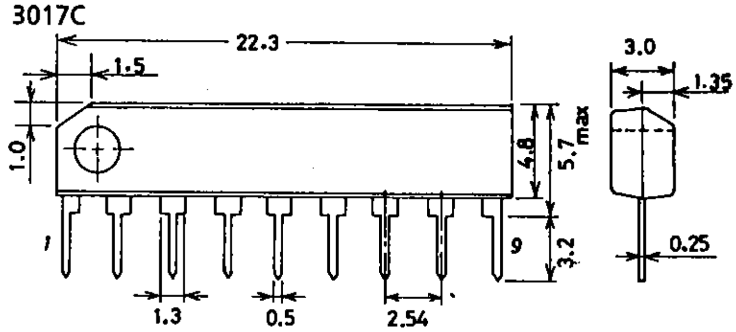
			unit
Maximum Supply Voltage	$V_{CC}max$	14	V
Maximum Applied Voltage	V_6, V_7	-12	V
Maximum Load Current	$I_{O6}max(f_1)$	-20	mA
	$I_{O1}max(f_2)$	-35	mA
	$I_{O7}max(f_3)$	-20	mA
	$I_{O2}max(f_4)$	-35	mA
Input Current	$I_{IN}max$	2	mA
Allowable Power Dissipation	P_dmax	400	mW
Operating Temperature	Topr	-20 to +65	°C
Storage Temperature	Tstg	-55 to +125	°C

Operaitng Characteristics at Ta=25°C

		min	typ	max	unit
Quiescent Current	I_{CCO}		13	18	mA
Output Saturation Voltage	$V_O(sat)$	0		0.7	V
Input Threshold voltage	V_{TH}	0.8	1.5	3.0	V
Output Leak Current	I_6, I_7			50	µA

(Note) Current flowing into IC : + (no sign)
Current flowing out of IC : -

Package Dimensions
(unit : mm)
3017C



SANYO : SIP9

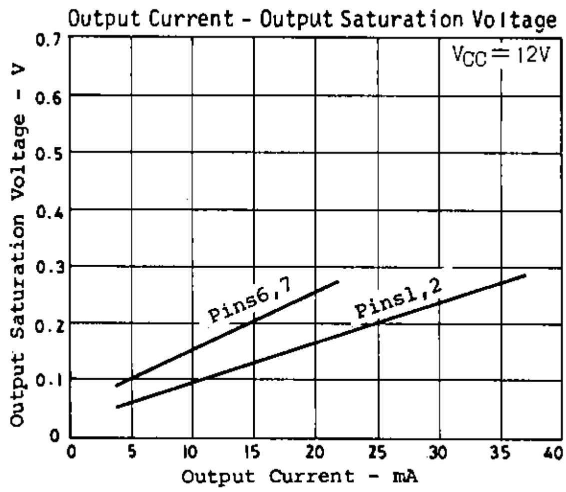
SANYO Electric Co., Ltd. Semiconductor Business Headquarters
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110 JAPAN

Truth Table

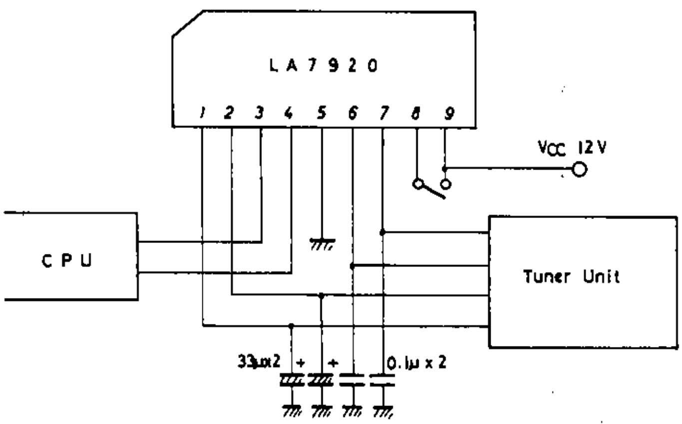
Input		Control Pin	Output			
A(Pin3)	B(Pin4)	C(Pin8)	f_1(Pin6)	f_2(Pin1)	f_3(Pin7)	f_4(Pin2)
H	H	V_{CC}	Z	Z	Z	H
L	H	"	Z	Z	H	H
H	L	"	Z	H	Z	Z
L	L	"	H	Z	H	H
H	H	Open	H	Z	Z	H
L	H	"	Z	Z	H	H
H	L	"	Z	H	Z	Z
L	L	"	H	Z	H	H

Z : High impedance

Output Current - Output Saturation Voltage Characteristics



Sample Application Circuit



Unit (capacitance:F)

This catalog provides information as of June, 1996. Specifications and information herein are subject to change without notice.